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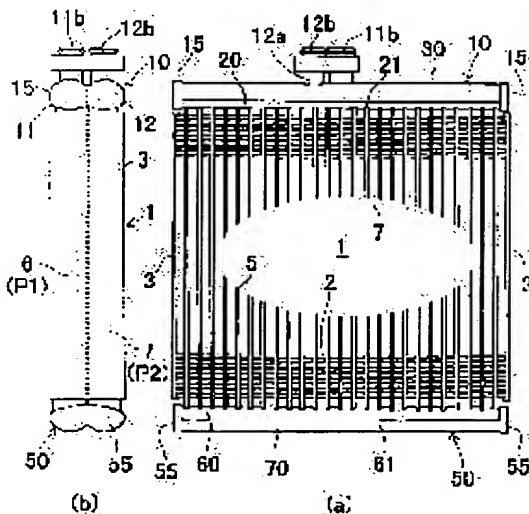
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## (54) EVAPORATOR, ITS MANUFACTURING METHOD, HEADER MEMBER FOR THE VAPORIZER AND REFRIGERATING SYSTEM

(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an evaporator to improve heat exchanger performance and be capable of reducing thickness.

**SOLUTION:** An evaporator is provided with a core 1 at which heat exchange tube groups P1 and P2 on the upper stream side and the downstream side are longitudinally juxtaposed, and upper side and lower side header members 10 and 50 situated at the upper and lower ends of the core 1. The interior of the upper side header member is longitudinally partitioned to form tanks 11 and 12 on the inlet side and the outlet side. One end of each tube 6 of a tube group P1 on the upper stream side is coupled to a tank 11 on the inlet side, and the other end is coupled to the header member 50 on the lower side. One end of each tube 7 of each tube group P2 on the downstream side is coupled to the header member 50 on the lower side. A refrigerant flowing in the tank 11 on the inlet side flows through the tube group P1 on the upper stream side and is introduced to the tank 12 on the outlet side. Meanwhile, a refrigerant flowing through the two heat exchange tube groups P1 and P2 is heat-exchanged with outside air A and evaporated.



## LEGAL STATUS

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